



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/944,893	08/31/2001	Juergen Reinold	IA00008	4079

22863 7590 07/30/2003

MOTOROLA, INC.
CORPORATE LAW DEPARTMENT - #56-238
3102 NORTH 56TH STREET
PHOENIX, AZ 85018

[REDACTED] EXAMINER

STULBERGER, CAS P

[REDACTED] ART UNIT [REDACTED] PAPER NUMBER

2132

DATE MAILED: 07/30/2003

6

Please find below and/or attached an Office communication concerning this application or proceeding.

3

Office Action Summary	Application No.	Applicant(s)	
	09/944,893	REINOLD ET AL.	
	Examiner Cas Stulberger	Art Unit 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-15 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 31 August 2001 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) Interview Summary (PTO-413) Paper No(s). _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-4, 6, and 8-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,995,512 to Pogue Jr. in view of U.S. Patent No. 5,991,401 to Daniels et al.

In regards to claims 1-4, 9-12, and 15, Pogue Jr. discloses data network capable of transmitting audio, video, data, low-bandwidth control data, and other similar signals (Pogue: column 1, lines 6-9). Pogue gives an example of connecting a remote CD player (first device) and an audio processor/amplifier (second device) with the existing network. Both the CD player and the audio processor/amplifier can be configured to interface with the network data bus at the network data rate while at the same time interfacing with the CD player and audio processor (Pogue: column 3, lines 39-55). This meets the limitation of “a first device and second device and an active network communicatively coupling the first device and the second device for the communication of data between the first device and the second device.” Pogue also discloses that preferred operating environment is a transportation vehicle such as a car, van, truck, bus, train, or airplane (Pogue: column 7, lines 1-3). Pogue however does not disclose encrypting the data..

Daniels et al discloses a network in which a packet is encrypted with an encryption key before it is sent out (Daniels: column 3, lines 45-51). This meets the limitation of “wherein the

Art Unit: 2132

data packets are individually encrypted.” The receiving computer decrypts the incoming packet that is encrypted (Daniels: column 3, lines 56-63). This meets the limitation of “the active network being operable to encrypt the data.”

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the vehicle network as disclosed by Pogue with the method of encrypting packets being sent in a network with the method as disclosed by Daniels in order to provide an improved method and system for providing data security in a computer system (Daniels: column 1, lines 65-67).

In regards to claims 8, 13, and 14, Pogue however does not disclose error detection based on encryption. Daniels discloses that an incoming packet is decrypted and then encrypted utilizing an encryption key identical to an encryption key employed by the client. The encrypted packet is determined as to whether it is identical to the incoming packet. Any such packet that does not meet this criterion is rejected (Daniels: column 2, lines 5-10).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the vehicle network as disclosed by Pogue with the method of error detection as disclosed by Daniels in order to reject potentially harmful packets (Daniels: column 4, lines 48-53).

In regards to claim 6, Pogue does not disclose a bridge. Daniels however discloses the CPU, ROM, and DRAM are also coupled to a PCI local bus of the computer of system through a PCI host bridge (Daniels: column 2, lines 58-60).

Art Unit: 2132

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the vehicle network as disclosed by Pogue with the bridge of Daniels in order to provide a high bandwidth path allowing PCI devices to directly access DRAM (Daniels: column 2, lines 64-65).

3. Claims 5 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,995,512 to Pogue Jr. in view of U.S. Patent No. 5,991,401 to Daniels et al and in further view of U.S. Patent No. 6,101,599 to Wright et al.

In regards to claims 5 and 7, Pogue however does not disclose a switch or a router. Wright discloses a network with a switch and a router (Wright: Figure1).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the vehicle network as disclosed by Pogue with the switch and router of Wright in order to accomplish path switching and forwarding decision capabilities of packets in a network (Wright: column 2, lines 45-61).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cas Stulberger whose telephone number is (703) 305-8034. The examiner can normally be reached on Monday - Thursday, 7:30A.M. - 5:00P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (703) 305-1830. The fax phone numbers for the

Art Unit: 2132

organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

CS

CS
July 23, 20037

Gilberto Barron
GILBERTO BARRON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100